

Claims

What is claimed is:

1. A system for monitoring performance of a global network comprising:
 - a poller for requesting and receiving SNMP-attribute data from a monitored
 - 5 device across a public wide area network;
 - a database for storing received SNMP-attribute data; and
 - a graphical user interface to the received SNMP-attribute data stored in the database.
2. The system of claim 1, further comprising of a notifier analyzing time-based performance
- 10 criteria for providing alerts to a user when received SNMP-attribute data meets one or more established threshold criteria for the monitored device.
3. The system of claim 2 wherein the monitored device is included in a virtual private network.
4. The system of claim 1 wherein the monitored device is included in a virtual private
- 15 network.
5. The system of claim 1 wherein the monitored device is a device included in a wireless network.
6. The system of claim 2 wherein the monitored device is a device included in a wireless network.
- 20 5. The system of claim 1 wherein the monitored device is a device included in a voice over IP (VoIP) network.
6. The system of claim 2 wherein the monitored device is a device included in a voice over IP (VoIP) network.
7. The system of claim 2 wherein the SNMP-attribute data includes performance metrics
- 25 for a virtual private network tunnel.

8. The system of claim 1 wherein the SNMP-attribute data includes performance metrics for a virtual private network tunnel.
9. The system of claim 1 wherein the graphical user interface is provided by an application service provider.
- 5 10. The system of claim 1 wherein the poller is configured to access SNMP-attribute data across a firewall insulating the monitored device from the network.
11. The system of claim 1 wherein the graphical user interface include an Internet browser.
12. The system of claim 2 wherein the poller is configured to access SNMP-attribute data across a firewall insulating the monitored device from the network.
- 10 13. The system of claim 3 wherein the poller is configured to access SNMP-attribute data across a firewall insulating the monitored device from the network.
14. The system of claim 7 wherein the poller is configured to access SNMP-attribute data across a firewall insulating the monitored device from the network.
- 15 15. The system of claim 1 wherein the graphical user interface includes a graph generator for displaying one or more graphs of one or more performance metrics based on the received SNMP-attribute data.
16. The system of claim 2 wherein the graphical user interface includes a graph generator for displaying one or more graphs of one or more performance metrics based on the received SNMP-attribute data.
- 20 17. The system of claim 3 wherein the graphical user interface includes a graph generator for displaying one or more graphs of one or more performance metrics based on the received SNMP-attribute data.
18. The system of claim 7 wherein the graphical user interface includes a graph generator for displaying one or more graphs of one or more performance metrics based on the received
25 SNMP-attribute data.

19. The system of claim 12 wherein the graphical user interface includes a graph generator for displaying one or more graphs of one or more performance metrics based on the received SNMP-attribute data.
20. The system of claim 14 wherein the graphical user interface includes a graph generator
5 for displaying one or more graphs of one or more performance metrics based on the received SNMP-attribute data.
21. A system for monitoring performance of a global network comprising:
- a poller for requesting and receiving SNMP-attribute data from a monitored device across a network through a secure IPSec tunnel;
 - 10 a database for storing received SNMP-attribute data; and
 - a graphical user interface to the received SNMP-attribute data stored in the database.
22. The system of claim 21, further comprising of a notifier analyzing time-based performance criteria for providing alerts to a user when received SNMP-attribute data
15 meets one or more established threshold criteria for the monitored device.
23. The system of claim 22 wherein the monitored device is included in a virtual private network.
24. The system of claim 21 wherein the monitored device is included in a virtual private network.
- 20 25. The system of claim 21 wherein the monitored device is a device included in a wireless network.
26. The system of claim 22 wherein the monitored device is a device included in a wireless network.
- 25 25. The system of claim 21 wherein the monitored device is a device included in a voice over IP (VoIP) network.

26. The system of claim 22 wherein the monitored device is a device included in a voice over IP (VoIP) network.
27. The system of claim 22 wherein the SNMP-attribute data includes performance metrics for a virtual private network tunnel.
- 5 28. The system of claim 21 wherein the SNMP-attribute data includes performance metrics for a virtual private network tunnel.
29. The system of claim 21 wherein the graphical user interface is provided by an application service provider.
30. The system of claim 21 wherein the poller is configured to access SNMP-attribute data
10 across a firewall insulating the monitored device from the network.
31. The system of claim 21 wherein the graphical user interface include an Internet browser.
32. The system of claim 22 wherein the poller is configured to access SNMP-attribute data across a firewall insulating the monitored device from the network.
33. The system of claim 23 wherein the poller is configured to access SNMP-attribute data
15 across a firewall insulating the monitored device from the network.
34. The system of claim 27 wherein the poller is configured to access SNMP-attribute data across a firewall insulating the monitored device from the network.
35. The system of claim 21 wherein the graphical user interface includes a graph generator for displaying one or more graphs of one or more performance metrics based on the
20 received SNMP-attribute data.
36. The system of claim 22 wherein the graphical user interface includes a graph generator for displaying one or more graphs of one or more performance metrics based on the received SNMP-attribute data.

37. The system of claim 23 wherein the graphical user interface includes a graph generator for displaying one or more graphs of one or more performance metrics based on the received SNMP-attribute data.
38. The system of claim 27 wherein the graphical user interface includes a graph generator
5 for displaying one or more graphs of one or more performance metrics based on the received SNMP-attribute data.
39. The system of claim 32 wherein the graphical user interface includes a graph generator for displaying one or more graphs of one or more performance metrics based on the received SNMP-attribute data.
- 10 40. The system of claim 34 wherein the graphical user interface includes a graph generator for displaying one or more graphs of one or more performance metrics based on the received SNMP-attribute data.